

In the Specification:

Please amend the specification as follows:

Page 1, first paragraph:

Cross-reference to related applications

This application is the national phase under 35 U.S.C. § 371 of PCT/FI2003/000789 filed 22 October 2003.

Field of the invention

The present invention relates to a method in a diffractive color system ~~according to the preamble of the appended independent claim 1,~~ which color system specifies visual color effects, target colors, which are formed by mixing together two or more diffractively produced primary colors. In addition, the invention relates to a diffractive color system implementing ~~said the method according to the appended independent claim 14.~~ The invention further relates to a diffractive component producing a mixed target color ~~according to the preamble of the appended independent claim 17.~~ The invention also relates to a product ~~comprising~~ including one or more diffractive color effects ~~according to the appended claim 33.~~

Page 3, heading on line 32:

Summary of the invention ~~Brief description and the most significant advantages of the invention~~

Page 4, first full paragraph:

To attain these purposes, the present invention includes a method, ~~according to the invention is primarily characterized in what is presented in the characterizing part of the appended independent claim 1. The~~ a diffractive color system, ~~according to the invention is, in turn, primarily characterized in what is presented in the characterizing part of the appended independent claim 14. Further, the~~ a diffractive component, ~~according to the invention is primarily characterized in what is presented in the characterizing part of the appended independent claim 17. The characterizing features of the~~ and a product, the product includes containing one or more diffractive color effects ~~according to the invention are, in turn, presented in the appended claim 33. The other, dependent claims present some preferred embodiments of the invention.~~

Paragraph bridging pages 6 and 7:

The grating structure assembly formed by adjacent basic area units, in which structure the different basic area units can be arranged to produce the mutually same mixed hue or alternatively, different basic area units can produce different hues, is typically formed, for example, on a printing block or the like manufactured of nickel. By using this kind of a printing block or plate, the grating structure can advantageously by embossing (imprinting) be further

transferred onto plastic, paper, ~~paperboard~~ cardboard or other suitable material as areas wide enough in order to be able to use said materials, for example, in printed products or as packing material. Preferably the embossing is performed as a roll-to-roll process or by sheet printing.

Page 9, heading before last paragraph:

~~More detailed~~ Detailed description of the invention

Page 19, first full paragraph:

By using this type of a printing block or plate, the grating figure can be transferred preferably in a roll-to-roll process by embossing, for example, onto paper, ~~paperboard~~ cardboard or plastic, which are further suitable to be used in printed products or as packing material. Other substrate materials suitable for this purpose are, for example, glass, textile, metal and ceramic materials. Advantageously, the basic material of the product functions as the substrate of diffractive components at the same time. Coatings produced on different substrates can also function as a substrate, such as, for example, layers of lacquer, paint or printing ink. Mass production can, instead of by means of a roll-to-roll process be implemented also by means of sheet printing, which is well suited for, for example, ~~paperboard~~ cardboard materials and other relatively stiff substrates. Embossing can take place, for example, as hot embossing or also without raising the temperature of the substrate and/or the printing block, depending on the characteristics of the substrate material and the grating relief to be transferred.